

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF  
BEUTLER ET AL.

INTERNATIONAL APPLICATION NO: PCT/EP2004/009587

FILED: 27 AUGUST 2004

U.S. APPLICATION NO: Not Yet Known

35 USC §371 DATE: Herewith

FOR: PURIFICATION PROCESS

**MS: Amendment**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This paper is being filed within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 of the international application. Therefore, no fees are required. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 19-0134.

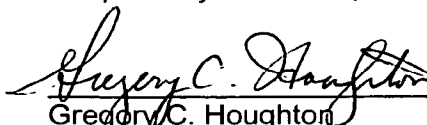
In accordance with 37 C.F.R. §1.56, applicants wish to call the Examiner's attention to the references cited on the attached form(s) PTO-1449.

Some of the listed references were cited in a search report in a corresponding British application. Copies of these references and the search report are enclosed herewith.

Pursuant to the waiver of requirement under 37 CFR 1.98(a)(2)(i) issued in the Official Gazette dated August 5, 2003 copies of the U.S. patent and U.S. Patent application publications are not provided. Copies of the other cited references are enclosed herewith.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

  
\_\_\_\_\_  
Gregory C. Houghton  
Attorney for Applicants  
Reg. No. 47,666

Novartis  
Corporate Intellectual Property  
One Health Plaza, Building 104  
East Hanover, NJ 07936-1080  
(862) 778-2614  
Date: 1/31/05

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /V.M./

FORM PTO-1449  
(REV. 7-85)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

10/522828  
10522828  
DT15 Rec'd PTO 2 13 JAN 2005  
ATTY. DOCKET  
PD/4-33305A  
APPLICATION NO.  
Not Yet Known  
APPLICANT  
BEUTLER ET AL.  
FILING DATE  
Herewith

Group

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	4,680,291	7/14/87	Hamberger et al.	514	183	8/18/78
	AB	4,755,534	7/5/88	Stuetz	514	655	9/4/84
	AC	5,132,459	7/21/92	Stuetz	564	387	7/21/89
	AD	5,817,875	10/6/98	Karimian et al.	564	387	9/19/96
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO	
	AM	0 024 587		EP			<input type="checkbox"/>	<input type="checkbox"/>
	AN	0 421 302	4/10/91	EP			<input type="checkbox"/>	<input type="checkbox"/>
	AO	1 236 709	9/4/02	EP			<input type="checkbox"/>	<input type="checkbox"/>
	AP	232849	1/15/87	Czech.			<input checked="" type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent pages, Etc.)

	AR	Bharucha et al., "Double Cycloaromatization of (Z,Z)-Deca-3,7-diene-1,5,9-triyn: Evidence for the Intermediacy and Diradical Character of 2,6-Didehydronaphthalene", J. Am. Chem. Soc., Vol. 114, pp. 3120-3121 (1992); HCAPLUS Abstract No. 1992:193445.
	AS	"Terbinafine", The Merck Index, (ed. S. Budavari), Whitehouse Station, NJ, p. 1564 (1996).
	AT	Beutler et al., "Die Entwicklung eines neuen, umweltgerechten Produktions prozesses für Terbinafin", CHIMIA, Vol. 50, No. 4, pp. 154-156 (1996).

**EXAMINER** /Virginia Manoharan/ (05/08/2008)**DATE CONSIDERED**

05/08/2008

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /V.M./

FORM PTO-1449  
(REV. 7-85)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

DT15 Rec'd PCT PTO 10/5/22 828  
ATTY. DOCKET  
PD/4-33305A  
APPLICATION NO.  
Not Yet Known  
APPLICANT  
BEUTLER ET AL.  
FILING DATE  
Herewith

Group

EXAMINER  
INITIAL

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

BA	Jones et al., "Researches on Acetylenic Compounds. Part LXII.* The Preparation and Some Synthetical Applications of Penta-1,2,4-triene and Penta-1,2-dien-4-yne", J. Chem. Soc., pp. 341-346 (1960).
BB	Krzeminski et al., "Phytochemistry of Berula erecta, Cicuta virosa and sium latifolium. Part 9. Essential oil of Cicuta virosa", Pharmazie, Vol. 39, No. 3, p. 183 (1984); HCAPLUS Abstract No. 1984:478657.
BC	Malinovskii et al., "Isomerization acetylenic .alpha.-olefin oxides with the triple bond in .beta. position with respect to the oxide ring", Zh. Org. Khim., Vol. 3, No. 10, pp. 1792-1793 (1967); HCAPLUS Abstract No. 1968:12370.
BD	Stütz et al., "Synthesis and Antifungal Activity of (E)-N-(6,6-Dimethyl-2-hepten-4-ynyl)-N-methyl-1-naphthalenemethanamine (SF 86-327) and Related Allylamine Derivatives with Enhanced Oral Activity", J. Med. Chem., Vol. 27, pp. 1539-1543 (1984).
BE	Van Boom et al., "Chemistry of Acetylenic Ethers 85. Preparation of compounds with a 3,5-dien-1-yne system by 1,2 and 1,6-elimination of alcohols from various types of unsaturated...", Recl. Trav. Chem. Pays-Bas, Vol. 85, No. 9-10, pp. 952-965 (1966); HCAPLUS Abstract No. 1967:46066.
BF	Van Dongen et al., "Isomerization of Conjugated and Cumulated Systems", Recl. Trav. Chem. Pays-Bas, Vol. 86, No. 11, pp. 1077-1081 (1967); HCAPLUS Abstract No. 1967:516486.
BG	Disselnkötter et al., "Grignard-Reaktionen Mit Penten(1)-in-(4) und 2-methyl-penten-(1)-in-(4); Liebig's Ann. Chem., Vol 679, pp. 26-34 (1964).
BH	
BI	
BJ	
BK	
BL	
BM	
BN	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /V.M./